

Name \_\_\_\_\_

### Electron Configuration Questions

Write out the electron configuration for the following elements.

He

S

Mg

Si

Na<sup>+</sup>

Which elements have the following electron configurations?

$1s^2 2s^2$  \_\_\_\_\_

$1s^2 2s^2 2p^6 3s^2 3p^2$  \_\_\_\_\_

$1s^2 2s^2 2p^1$  \_\_\_\_\_

$1s^2 2s^2 2p^6 3s^2 3p^6 4s^2$  \_\_\_\_\_

Examine the following electron configurations:

1. Indicate what is wrong with them by circling the problem
2. Fix the electron configuration
3. Identify the element

$1s^2 2s^2 2p^6 3p^3$

$1s^2 2s^2 2p^8 3s^2 3p^2$